

### **Abstract**

A toothbrush has a toothbrush head, a toothbrush bar and a toothpaste container. The toothpaste container is a gas-filled container, and a gas nipple is provided at the bottom of the toothpaste container. A pipe channel is provided in the toothbrush bar, the toothpaste container is communicated with the toothbrush head through the pipe channel via a valve. The toothbrush bar is hinged to the toothpaste container by a spherical hinged joint formed by the end of the toothbrush bar. The spherical hinged joint controls the valve to discharge toothpaste in the toothpaste container into the pipe channel and the toothbrush head. The invention is convenient especially for children, the elder, the blind and the disabled.